

REQUEST FOR COUNCIL ACTION

MEETING

DATE: 7/21/03

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AGENDA SECTION: CONSENT AGENDA	ORIGINATING DEPT: Public Works	ITEM NO. D-16
ITEM DESCRIPTION: Professional Engineering Service Agreement For Design of Water Reclamation Plant Expansion J-4390		PREPARED BY: R. Freese <i>rwf</i>

The Water Reclamation Plant is approaching its design capacity and because of the continuing growth in the City an expansion of the plant will be required during the next three years. An application for the renewal of the plant's NPDES permit has been submitted to the Minnesota Pollution Control Agency and requirements of the permit are currently being negotiated. The Permit Application includes information regarding projected growth of the City and the need for an expansion of the WRP from its current capacity of 18.5 MGD (million gallons per day) to 25.5 MGD (2025 capacity) and planning for a future 40.0 MGD plant (2055 capacity).

On July 7, 2003, the City Council authorized the staff to negotiate a contract for professional engineering services with CH2M HILL, Inc. for the preliminary design phase of an expansion to the Water Reclamation Plant, evaluation and design of Immediate Capacity Improvements and review of the condition and capacity of existing WRP facilities. The scope of work and associated level of effort needed to accomplish these three tasks has been determined. The preliminary design task includes the cost for an independent Value Engineering Study if requested by the City. The estimated costs for these various tasks is as follows:

- An evaluation of condition and capacity of existing WRP critical process facilities; \$ 97,000
- An evaluation and design of immediate capacity improvements to the existing WRP; \$114,000
- Preliminary design of an expansion to the WRP; \$474,000

Subsequent scope of work and level of effort for final design and construction services will be negotiated with CH2M HILL at a later date once those tasks are more clearly defined. The City Council will be asked at that time to authorize those Task Order Changes to the Agreement.

CH2M HILL made the following financial commitments in their proposal and these have been included in the negotiated Agreement:

- CH2M HILL will redesign the project at no cost to the City if the treatment plant does not meet NPDES discharge permit limits
- CH2M HILL will directly supervise the operation of the plant at no cost to the City if the treatment plant does not meet NPDES discharge permit limits
- CH2M HILL will pay to the City liquidated damages if they fail to complete the design by the agreed upon date
- CH2M HILL will redesign the project at no cost to the City if the construction bids exceed the engineer's estimate

Public Works staff recommends the Council authorize the Mayor and Clerk to execute this professional engineering services agreement for an amount of \$685,000. Funding is from Sewer Utility reserves as approved in the CIP.

COUNCIL ACTION REQUESTED

Authorize the Mayor and City Clerk to execute a contract for professional engineering services with CH2M HILL, Inc. for the preliminary design phase of an expansion to the Water Reclamation Plant, evaluation and design of Immediate Capacity Improvements and review of the condition and capacity of existing WRP facilities, J-4390.

COUNCIL ACTION: Motion by: _____ Second by: _____ to: _____

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